Three-Phase Output Filter (dU/dt)

Fuss du/dt-Filters are used to reduce the voltage slew rate at the output of frequency converters to values below 500 V/µs.

Technical Data

Rated Voltage	530 V~
Speed	60 Hz
Switching Frequency	max. 8 kHz
Motor Cable Length	max. 75 m
IEC Klimakategorie	25/085/21
Ambient Temperature	max. +40°C
Protection Class	6 A bis 50 A: IP20 80 A bis 610 A: IP00

Connectors	6 A to 50 A: Touch Protected Screwing Terminal 80 A to 300 A: High Curent Connector, D 13 mm 450 A: Bus Bar 5 x 50 mm, D 16 mm 610 A: Bus Bar 5 x 60 mm, D 16 mm Covers for Touch Protection

Type	Rated Current (I_N) A/Phase	Overload[1] A/Phase	Connector mm^2 (flexibel)	Torque Nm	Weight (ca.) kg
3AFU400-006	6	1,2 x I_N	0,2 - 4,0	0,6 - 0,8	2,5
3AFU400-010	10	1,2 x I_N	0,2 - 4,0	0,6 - 0,8	2,6
3AFU400-016	16	1,2 x I_N	0,2 - 4,0	0,6 - 0,8	3,5
3AFU400-025	25	1,2 x I_N	4,0 - 16	1,5 - 1,8	4,0
3AFU400-035	35	1,2 x I_N	4,0 - 16	1,5 - 1,8	5,5
3AFU400-050	50	1,2 x I_N	4,0 - 16	1,5 - 1,8	6,0
3AFU400-080	80	1,2 x I_N	M12	25 - 30	6,5
3AFU400-125	125	1,2 x I_N	M12-	25 - 30	7,5
3AFU400-150	150	1,2 x I_N	M12-	25 - 30	7,7
3AFU400-180	180	1,2 x I_N	M12-	25 - 30	12,0
3AFU400-220	220	1,2 x I_N	M12-	25 - 30	13,5
3AFU400-300	300	1,2 x I_N	M12-	25 - 30	14,5
3AFU400-450	450	1,2 x I_N	M16-	30 - 35	17
3AFU400-610	610	1,2 x I_N	M16-	30 - 35	18

1) 60 Seconds every 30 Minutes

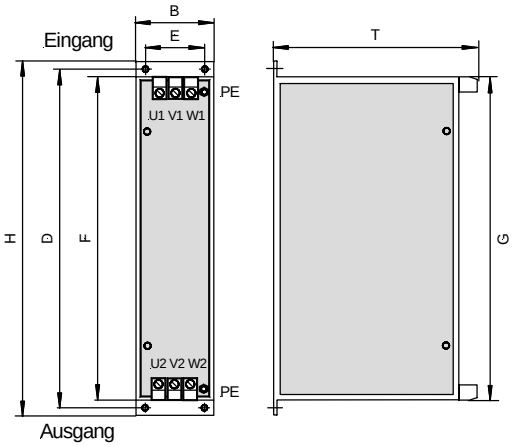
Custom-tailored solutions are developed for rated voltages up to 1000 V.

Dimensions 6 A to 50 A

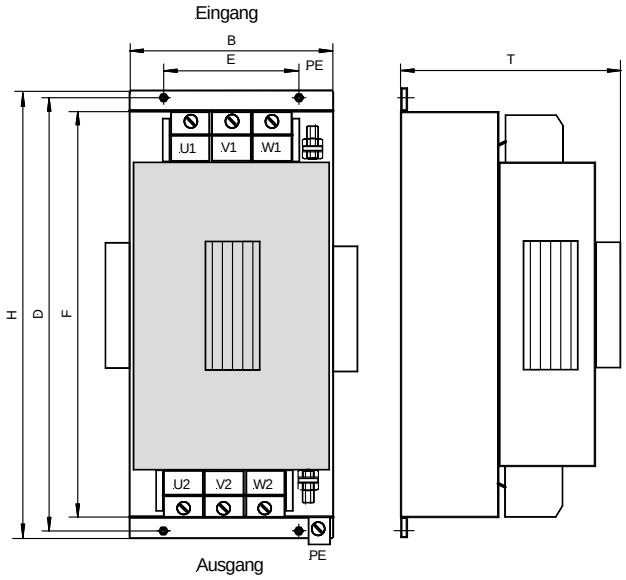
Values in mm, preferred mounting position

Filtertype	Height	Width	Depth	Mounitng			Overall	PE	Mounting
	H	B	T	D	E	F	G		
3AFU400-006	245	70	142	235	50	223	223	M 5	D 4,5
3AFU400-010	245	70	142	235	50	223	223	M 5	D 4,5
3AFU400-016	245	70	142	235	50	223	223	M 5	D 4,5
3AFU400-025	290	170	192	270	110	250	250	M 5	D 7
3AFU400-035	290	170	192	270	110	250	250	M 5	D 7
3AFU400-050	290	170	192	270	110	250	250	M 5	D 7

6 A bis 16 A



25 A bis 50 A

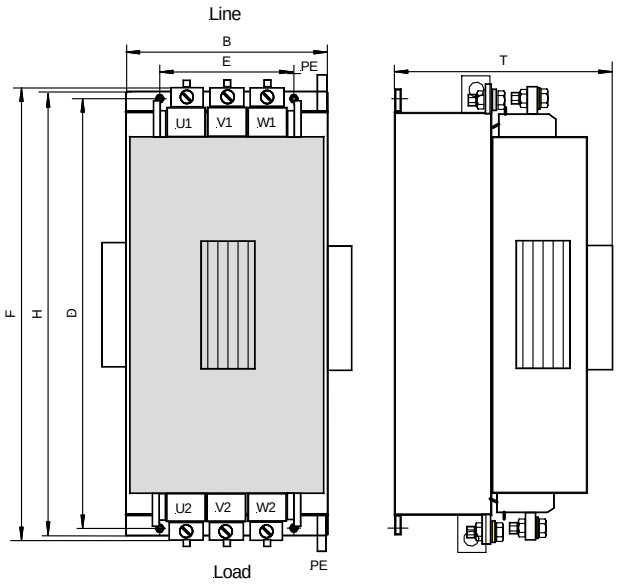


Dimensions 80 A to 610 A

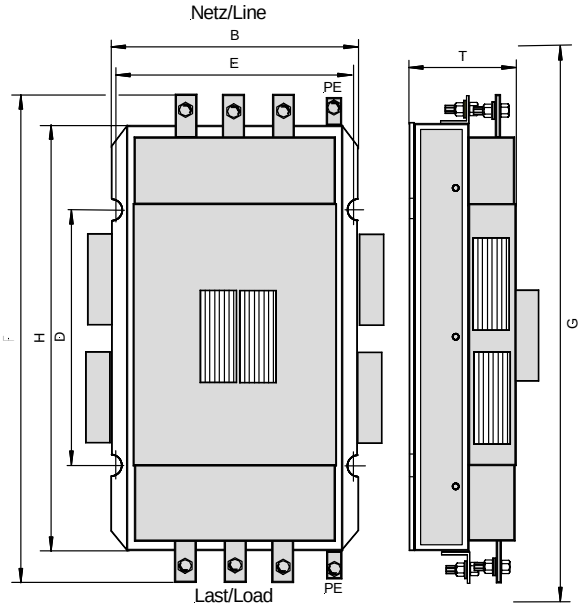
Values in mm, preferred mounting position

Filtertype	Height	Width	Depth	Mounitng			Overall	PE	Mounting
	H	B	T	D	E	F	G		
3AFU400-080	540	170	214	520	110	550	649	M 12	8,5
3AFU400-125	540	170	214	520	110	550	649	M 12	8,5
3AFU400-150	540	170	214	520	110	565	679	M 12	8,5
3AFU400-180	490	230	201	470	130	515	629	M 12	8,5
3AFU400-220	490	230	201	470	130	515	629	M 12	8,5
3AFU400-300	550	230	221	530	130	575	715	M 12	8,5
3AFU400-450	560	375	267	400	355	690	800	M 12	9
3AFU400-610	560	375	267	400	355	690	800	M 12	9

80 A to 300 A



450 A, 610 A



09.02.2012, Subject to changes without notice.